

East 5/25/04

L Number	Hits	Search Text	DB	Time stamp
1	8	4743074.URPN.	USPAT	2004/05/25 08:25
2	0	6530625.URPN.	USPAT	2004/05/25 08:25
3	26	("3630578" "4006941" "4410153" "4430715" "4529067" "4596316" "4743074" "4865162" "4986610" "4995483" "5050939" "5172960" "5178235" "5217282" "5255761" "5293966" "5348122" "5456523" "5645143" "5845975" "5926932" "5971111" "6000516" "6003640" "6095293" "6196359").PN.	USPAT	2004/05/25 08:25
4	11	(US-6382027-\$ or US-6359690-\$ or US-6257063-\$ or US-6412880-\$ or US-6047794-\$ or US-6014899-\$ or US-5960912-\$ or US-5687818-\$ or US-5660251-\$ or US-3888183-\$ or US-6530625-\$).did.	USPAT	2004/05/25 08:33
5	204	303/191.ccls.	USPAT; US-PGPUB	2004/05/25 08:36
6	4	303/191.ccls. and (squeal\$4 or antisqueal\$4)	USPAT; US-PGPUB	2004/05/25 08:37
7	6014	(squeal\$4 or antisqueal\$4 or noise) with brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/25 08:44
8	30	(squeal\$4 or antisqueal\$4 or noise) with brak\$4 same comparator	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/25 08:48
9	58	(squeal\$4 or antisqueal\$4 or noise) with brak\$4 same stored	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/25 08:48

-	150	("6125974" "5865515" "4075142" "5417313" "5564532" "5817411" "6397982" "4485898" "5689058" "6322164" "6141415" "6325185" "3888183" "5611415" "5613586" "5636719" "6105736" "6170620" "6247560" "4506768" "5480847" "5573087" "5699881" "5819882" "5823304" "5836427" "5924526" "6131707" "6273220" "6302244" "6190761" "4088835" "4811019" "4279331" "5915503" "6230857" "4316530" "4805746" "4954536" "4972870" "5480008" "5535860" "5535858" "3566995" "3693765" "3684061" "3638765" "3918555" "4022302" "4039054").pn. ("4055238" "4154322" "4155430" "4156479" "4174024" "4067418" "4093045" "4098951" "4243123" "4313869" "4392561" "4410070" "4501347" "4523666" "4591028" "4846467" "4878564" "5015990" "5207438" "5234080" "5236068" "5289903"	USPAT; US-PGPUB	2004/05/25 08:04
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-	1	Kamiya.in. and Kondo.in. and Sasaki.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/25 08:04
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Search History 5/25/04 8:50:16 AM Page 4 C:\APPS\least\workspaces\10774488.wsp				

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Search History 5/25/04 8:50:16 AM Page 5 C:\APPS\least\workspaces\10774488.wsp				

-	2	6125974.URPN.	USPAT	2004/05/25 08:08
-	1	"5175687".PN.	USPAT	2004/05/25 08:08
-	1	5865515.URPN.	USPAT	2004/05/25 08:09
-	2	("5660251" "5687818").PN.	USPAT	2004/05/25 08:09
-	2	squeal\$ with brak\$4 with manual	USPAT; US-PGPUB	2004/05/25 08:10
-	2	squeal\$ with brak\$4 with manual	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/25 08:11
-	2	squeal\$ with brak\$4 with switch	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/25 08:11
-	12	squeal\$ with brak\$4 same switch	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/25 08:13
-	3	squeal\$ adj control same brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/25 08:13

PLUS 5/25/04

Butler, Douglas

From: PLUS
Sent: Tuesday, May 11, 2004 9:11 AM
To: Butler, Douglas
Subject: PLUS Results for 10774468

Here are the PLUS search results for 10774468.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to PLUS@uspto.gov.



10774468_QUAL.txt



10774468_LIST.txt



10774468_WEST.txt



10774468_EAST.txt



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10774468_CLS.txt



10774468_CLSTITLES.txt



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10774468_LIST

PLUS Search Results for S/N 10774468, Searched May 11, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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10774468_CLS
Most Frequently Occurring Classifications of Patents Returned
From A Search of 10774468 on May 11, 2004

Original Classifications

18	188/73.37
10	188/218XL
6	188/218R
6	188/71.5
5	188/250E
5	188/73.36
4	188/18A
4	188/250B
4	188/73.1
4	188/73.39
3	188/250G
3	188/73.31
3	188/78
3	356/450
2	73/579
2	188/1.11W
2	188/218A
2	188/71.7
2	188/72.4
2	188/73.38
2	192/107C
2	192/18A
2	523/156

Cross-Reference Classifications

18	188/73.37
12	188/250E
9	188/250B
8	188/251A
8	188/73.35
7	188/264G
7	188/73.1
6	188/205A
5	188/18A
5	188/264AA
5	188/73.36
4	188/250G
4	188/251R
4	188/73.47
3	73/662
3	180/197
3	188/218XL
3	188/251M
3	188/264A
3	188/71.5
3	188/73.31
3	188/73.45
3	192/30V
3	260/998.13
3	310/105
3	523/156
3	523/157
2	29/458
2	51/298

10774468_CLS

2 73/11.05
2 156/228
2 181/290
2 188/1.11R
2 188/205R
2 188/206R
2 188/218A
2 188/218R
2 188/24.12
2 188/258
2 188/264B
2 188/366
2 188/367
2 188/370
2 188/378
2 188/71.6
2 188/71.8
2 188/72.4
2 188/72.5
2 192/107M
2 192/107R
2 192/109B
2 192/48.4
2 192/85A
2 192/85AA
2 264/258
2 301/6.91
2 318/52
2 318/71
2 428/463
2 523/155
2 523/158

Combined Classifications

36 188/73.37
17 188/250E
13 188/218XL
13 188/250B
11 188/73.1
10 188/73.36
9 188/18A
9 188/251A
9 188/71.5
9 188/73.35
8 188/218R
8 188/264G
7 188/250G
6 188/205A
6 188/73.31
5 188/264AA
5 188/73.39
5 523/156
4 188/218A
4 188/251R
4 188/72.4
4 188/73.45
4 188/73.47
3 73/579
3 73/662

10774468_CLS

3 180/197
3 188/1.11W
3 188/24.12
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3 188/264A
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3 188/78
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3 356/450
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2 188/1.11R
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2 188/71.8
2 188/72.5
2 188/73.43
2 192/107C
2 192/107M
2 192/107R
2 192/109B
2 192/18A
2 192/48.3
2 192/48.4
2 192/85A
2 192/85AA
2 264/258
2 301/6.91
2 318/430
2 318/71
2 340/454
2 523/152
2 523/158

10774468_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 10774468 on May 11, 2004

- 36 188/73.37 (18 OR, 18 XR)
 Class 188 : BRAKES
 188/67 ROD
 188/71.1 .Axially movable brake element or housing
 therefor
 188/73.31 ..Retainer for brake element
 188/73.37 ...Having means to prevent vibration of brake
 element
- 17 188/250E (5 OR, 12 XR)
 Class 188 : BRAKES
 188/381 FRICTIONAL VIBRATION DAMPER
 188/250R .Shoes
 188/250E ..Slotted shoes and vibration dampers
- 13 188/218XL (10 OR, 3 XR)
 Class 188 : BRAKES
 188/381 FRICTIONAL VIBRATION DAMPER
 188/218R .Brake wheels
 188/218XL ..Disk type
- 13 188/250B (4 OR, 9 XR)
 Class 188 : BRAKES
 188/381 FRICTIONAL VIBRATION DAMPER
 188/250R .Shoes
 188/250B ..Shoe construction
- 11 188/73.1 (4 OR, 7 XR)
 Class 188 : BRAKES
 188/67 ROD
 188/71.1 .Axially movable brake element or housing
 therefor
 188/73.1 ..Structure of brake element
- 10 188/73.36 (5 OR, 5 XR)
 Class 188 : BRAKES
 188/67 ROD
 188/71.1 .Axially movable brake element or housing
 therefor
 188/73.31 ..Retainer for brake element
 188/73.35 ...Having actuator and means to prevent
 vibration thereof
 188/73.36Including means to prevent vibration of
 brake element
- 9 188/18A (4 OR, 5 XR)
 Class 188 : BRAKES
 188/2R VEHICLE
 188/17 .Hub or disk
 188/18R ..Motor vehicle
 188/18A ...Disc brakes
- 9 188/251A (1 OR, 8 XR)
 Class 188 : BRAKES
 188/381 FRICTIONAL VIBRATION DAMPER

10774468_CLSTITLES

- 188/250R .Shoes
 - 188/251R ..Composite
 - 188/251A ...Materials
- 9 188/71.5 (6 OR, 3 XR)
- Class 188 : BRAKES
 - 188/67 ROD
 - 188/71.1 .Axially movable brake element or housing therefor
 - 188/71.5 ..Plural rotating elements (e.g., "multidisc")
- 9 188/73.35 (1 OR, 8 XR)
- Class 188 : BRAKES
 - 188/67 ROD
 - 188/71.1 .Axially movable brake element or housing therefor
 - 188/73.31 ..Retainer for brake element
 - 188/73.35 ...Having actuator and means to prevent vibration thereof
- 8 188/218R (6 OR, 2 XR)
- Class 188 : BRAKES
 - 188/381 FRICTIONAL VIBRATION DAMPER
 - 188/218R .Brake wheels
- 8 188/264G (1 OR, 7 XR)
- Class 188 : BRAKES
 - 188/381 FRICTIONAL VIBRATION DAMPER
 - 188/264R .Cooling and lubricating
 - 188/264G ..Insulators
- 7 188/250G (3 OR, 4 XR)
- Class 188 : BRAKES
 - 188/381 FRICTIONAL VIBRATION DAMPER
 - 188/250R .Shoes
 - 188/250G ..Surfaces and fasteners
- 6 188/205A (0 OR, 6 XR)
- Class 188 : BRAKES
 - 188/381 FRICTIONAL VIBRATION DAMPER
 - 188/205R .Supports
 - 188/205A ..Antirattler
- 6 188/73.31 (3 OR, 3 XR)
- Class 188 : BRAKES
 - 188/67 ROD
 - 188/71.1 .Axially movable brake element or housing therefor
 - 188/73.31 ..Retainer for brake element
- 5 188/264AA (0 OR, 5 XR)
- Class 188 : BRAKES
 - 188/381 FRICTIONAL VIBRATION DAMPER
 - 188/264R .Cooling and lubricating
 - 188/264A ..Air-cooled, axially engaging
 - 188/264AA ...Auto wheel type
- 5 188/73.39 (4 OR, 1 XR)

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- Class 188 : BRAKES
 188/67 ROD
 188/71.1 .Axially movable brake element or housing therefor
 188/73.31 ..Retainer for brake element
 188/73.39 ...Including torque member supporting brake element
- 5 523/156 (2 OR, 3 XR)
 Class 523 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES
 523/1 .PROCESSES OF PREPARING A DESIRED OR INTENTIONAL COMPOSITION OF AT LEAST ONE NONREACTANT MATERIAL AND AT LEAST ONE SOLID POLYMER OR SPECIFIED INTERMEDIATE CONDENSATION PRODUCT, OR PRODUCT THEREOF
 523/149 ..Friction element composition or process of preparing
 523/152 ...For wheeled vehicle
 523/155Composition devoid of asbestos
 523/156Containing at least two organic materials, e.g., binder plus other organic material, etc.
- 4 188/218A (2 OR, 2 XR)
 Class 188 : BRAKES
 188/381 FRICTIONAL VIBRATION DAMPER
 188/218R .Brake wheels
 188/218A ..Dust guard
- 4 188/251R (0 OR, 4 XR)
 Class 188 : BRAKES
 188/381 FRICTIONAL VIBRATION DAMPER
 188/250R .Shoes
 188/251R ..Composite
- 4 188/72.4 (2 OR, 2 XR)
 Class 188 : BRAKES
 188/67 ROD
 188/71.1 .Axially movable brake element or housing therefor
 188/72.1 ..With means for actuating brake element
 188/72.4 ...By fluid pressure piston
- 4 188/73.45 (1 OR, 3 XR)
 Class 188 : BRAKES
 188/67 ROD
 188/71.1 .Axially movable brake element or housing therefor
 188/73.31 ..Retainer for brake element
 188/73.43 ...Including actuator slidable in plane parallel to axis of rotation of wheel
 188/73.44On axially extending pin
 188/73.45Plural pins
- 4 188/73.47 (0 OR, 4 XR)
 Class 188 : BRAKES
 188/67 ROD
 188/71.1 .Axially movable brake element or housing therefor

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- 188/73.31 ..Retainer for brake element
 188/73.47 ...Having closed loop type housing
- 3 73/579 (2 OR, 1 XR)
 Class 073 : MEASURING AND TESTING
 73/570 VIBRATION
 73/579 .Resonance, frequency, or amplitude study
- 3 73/662 (0 OR, 3 XR)
 Class 073 : MEASURING AND TESTING
 73/570 VIBRATION
 73/662 .Vibrator
- 3 180/197 (0 OR, 3 XR)
 Class 180 : MOTOR VEHICLES
 180/197 WITH MEANS FOR DETECTING WHEEL SLIP DURING
 VEHICLE ACCELERATION AND CONTROLLING IT BY REDUCING
 APPLICATION OF POWER TO WHEEL
- 3 188/1.11W (2 OR, 1 XR)
 Class 188 : BRAKES
 188/1.11R WITH CONDITION INDICATOR
 188/1.11W .Wear
- 3 188/24.12 (1 OR, 2 XR)
 Class 188 : BRAKES
 188/2R VEHICLE
 188/24.11 .Velocipede (e.g., bicycle, etc.)
 188/24.12 ..Including mechanism for opposed gripping of
 wheel rim or tire
- 3 188/251M (0 OR, 3 XR)
 Class 188 : BRAKES
 188/381 FRICTIONAL VIBRATION DAMPER
 188/250R .Shoes
 188/251R ..Composite
 188/251M ...Metallic surfaces
- 3 188/264A (0 OR, 3 XR)
 Class 188 : BRAKES
 188/381 FRICTIONAL VIBRATION DAMPER
 188/264R .Cooling and lubricating
 188/264A ..Air-cooled, axially engaging
- 3 188/370 (1 OR, 2 XR)
 Class 188 : BRAKES
 188/381 FRICTIONAL VIBRATION DAMPER
 188/151R .Fluid pressure
 188/152 ..Road vehicle
 188/361 ...Wheel brake operating assembly
 188/369 With axially movable brake member
 188/370 Spot type
- 3 188/378 (1 OR, 2 XR)
 Class 188 : BRAKES
 188/378 INERTIA OF DAMPING MASS DISSIPATES MOTION
 (E.G., VIBRATION DAMPER)
- 3 188/73.38 (2 OR, 1 XR)

10774468_CLSTITLES

- Class 188 : BRAKES
 188/67 ROD
 188/71.1 .Axially movable brake element or housing therefor
 188/73.31 ..Retainer for brake element
 188/73.37 ...Having means to prevent vibration of brake element
 188/73.38Spring
- 3 188/78 (3 OR, 0 XR)
 Class 188 : BRAKES
 188/67 ROD
 188/74 .Transversely movable
 188/78 ..Expanding
- 3 192/30V (0 OR, 3 XR)
 Class 192 : CLUTCHES AND POWER-STOP CONTROL
 192/30R CLUTCHES
 192/30V .Vibration dampers
- 3 260/998.13 (0 OR, 3 XR)
 Class 260 : CHEMISTRY OF CARBON COMPOUNDS
 260/998.13 BRAKE, FRICTION OR ANTI-SKID
- 3 310/105 (0 OR, 3 XR)
 Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
 310/10 DYNAMOELECTRIC
 310/40R .Rotary
 310/92 ..Torque-transmitting clutches or brakes
 310/103 ...Magnetic field type
 310/105Induced or eddy current type
- 3 318/52 (1 OR, 2 XR)
 Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
 318/34 PLURAL, DIVERSE OR DIVERSELY CONTROLLED ELECTRIC MOTORS
 318/52 .Slipping and/or racing control for electric motors
- 3 356/450 (3 OR, 0 XR)
 Class 356 : OPTICS: MEASURING AND TESTING
 356/450 BY LIGHT INTERFERENCE (E.G., INTERFEROMETER)
- 3 428/463 (1 OR, 2 XR)
 Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
 428/411.1 COMPOSITE (NONSTRUCTURAL LAMINATE)
 428/457 .Of metal
 428/461 ..Next to addition polymer from unsaturated monomers
 428/463 ...Ester, halide or nitrile of addition polymer
- 3 523/155 (1 OR, 2 XR)
 Class 523 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES
 523/1 .PROCESSES OF PREPARING A DESIRED OR INTENTIONAL COMPOSITION OF AT LEAST ONE NONREACTANT MATERIAL AND AT LEAST ONE SOLID POLYMER OR SPECIFIED INTERMEDIATE CONDENSATION PRODUCT, OR PRODUCT THEREOF

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- 523/149 ..Friction element composition or process of preparing
- 523/152 ...For wheeled vehicle
- 523/155Composition devoid of asbestos
- 3 523/157 (0 OR, 3 XR)
 - Class 523 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES
 - 523/1 .PROCESSES OF PREPARING A DESIRED OR INTENTIONAL COMPOSITION OF AT LEAST ONE NONREACTANT MATERIAL AND AT LEAST ONE SOLID POLYMER OR SPECIFIED INTERMEDIATE CONDENSATION PRODUCT, OR PRODUCT THEREOF
 - 523/149 ..Friction element composition or process of preparing
 - 523/152 ...For wheeled vehicle
 - 523/157Containing at least two organic materials, e.g., binder plus other organic material, etc.
- 2 29/458 (0 OR, 2 XR)
 - Class 029 : METAL WORKING
 - 29/592 METHOD OF MECHANICAL MANUFACTURE
 - 29/428 .Assembling or joining
 - 29/458 ..With coating before or during assembling
- 2 51/298 (0 OR, 2 XR)
 - Class 051 : ABRASIVE TOOL MAKING PROCESS, MATERIAL, OR COMPOSITION
 - 51/298 WITH SYNTHETIC RESIN
- 2 73/11.05 (0 OR, 2 XR)
 - Class 073 : MEASURING AND TESTING
 - 73/11.04 TESTING OF SHOCK ABSORBING DEVICE (E.G., AUTOMOBILE SHOCK ABSORBER, GUN RECOIL APPARATUS, ETC.)
 - 73/11.05 .Torsional vibration damper
- 2 73/664 (1 OR, 1 XR)
 - Class 073 : MEASURING AND TESTING
 - 73/570 VIBRATION
 - 73/662 .Vibrator
 - 73/663 ..Table, platform, or other support
 - 73/664 ...Circuitry
- 2 156/228 (0 OR, 2 XR)
 - Class 156 : ADHESIVE BONDING AND MISCELLANEOUS CHEMICAL MANUFACTURE
 - 156/1 METHODS
 - 156/60 .Surface bonding and/or assembly therefor
 - 156/228 ..Of preshaped laminae between closed similarly shaped press platens or clamps
- 2 181/290 (0 OR, 2 XR)
 - Class 181 : ACOUSTICS
 - 181/175 SOUND-MODIFYING MEANS
 - 181/284 .Sound absorbing panels
 - 181/290 ..Multilayer panel or wall structure
- 2 188/1.11L (1 OR, 1 XR)
 - Class 188 : BRAKES
 - 188/1.11R WITH CONDITION INDICATOR

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- 188/1.11W .Wear
- 188/1.11L ..Electrical
- 2 188/1.11R (0 OR, 2 XR)
 - Class 188 : BRAKES
 - 188/1.11R WITH CONDITION INDICATOR
- 2 188/205R (0 OR, 2 XR)
 - Class 188 : BRAKES
 - 188/381 FRICTIONAL VIBRATION DAMPER
 - 188/205R .Supports
- 2 188/206R (0 OR, 2 XR)
 - Class 188 : BRAKES
 - 188/381 FRICTIONAL VIBRATION DAMPER
 - 188/205R .Supports
 - 188/206R ..Brake element
- 2 188/24.19 (1 OR, 1 XR)
 - Class 188 : BRAKES
 - 188/2R VEHICLE
 - 188/24.11 .Velocipede (e.g., bicycle, etc.)
 - 188/24.12 ..Including mechanism for opposed gripping of wheel rim or tire
 - 188/24.19 ...Having means to adjust spacing between brake component and wheel rim or tire
- 2 188/258 (0 OR, 2 XR)
 - Class 188 : BRAKES
 - 188/381 FRICTIONAL VIBRATION DAMPER
 - 188/250R .Shoes
 - 188/251R ..Composite
 - 188/255 ...Cast metal matrix
 - 188/258Backs
- 2 188/264B (0 OR, 2 XR)
 - Class 188 : BRAKES
 - 188/381 FRICTIONAL VIBRATION DAMPER
 - 188/264R .Cooling and lubricating
 - 188/264B ..Lubrication
- 2 188/366 (0 OR, 2 XR)
 - Class 188 : BRAKES
 - 188/381 FRICTIONAL VIBRATION DAMPER
 - 188/151R .Fluid pressure
 - 188/152 ..Road vehicle
 - 188/361 ...Wheel brake operating assembly
 - 188/366Arcuate or annular motor
- 2 188/367 (0 OR, 2 XR)
 - Class 188 : BRAKES
 - 188/381 FRICTIONAL VIBRATION DAMPER
 - 188/151R .Fluid pressure
 - 188/152 ..Road vehicle
 - 188/361 ...Wheel brake operating assembly
 - 188/366Arcuate or annular motor
 - 188/367Axially acting
- 2 188/67 (1 OR, 1 XR)

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- Class 188 : BRAKES
188/67 ROD
- 2 188/71.6 (0 OR, 2 XR)
Class 188 : BRAKES
188/67 ROD
188/71.1 .Axially movable brake element or housing therefor
188/71.6 ..With means for cooling brake
- 2 188/71.7 (2 OR, 0 XR)
Class 188 : BRAKES
188/67 ROD
188/71.1 .Axially movable brake element or housing therefor
188/71.7 ..With means to adjust for wear of brake
- 2 188/71.8 (0 OR, 2 XR)
Class 188 : BRAKES
188/67 ROD
188/71.1 .Axially movable brake element or housing therefor
188/71.7 ..With means to adjust for wear of brake
188/71.8 ...Self-adjusting means
- 2 188/72.5 (0 OR, 2 XR)
Class 188 : BRAKES
188/67 ROD
188/71.1 .Axially movable brake element or housing therefor
188/72.1 ..With means for actuating brake element
188/72.4 ...By fluid pressure piston
188/72.5Piston for each of plural elements
- 2 188/73.43 (1 OR, 1 XR)
Class 188 : BRAKES
188/67 ROD
188/71.1 .Axially movable brake element or housing therefor
188/73.31 ..Retainer for brake element
188/73.43 ...Including actuator slidable in plane parallel to axis of rotation of wheel
- 2 192/107C (2 OR, 0 XR)
Class 192 : CLUTCHES AND POWER-STOP CONTROL
192/30R CLUTCHES
192/107R .Engaging surfaces
192/107C ..Clutch plate axially compressible
- 2 192/107M (0 OR, 2 XR)
Class 192 : CLUTCHES AND POWER-STOP CONTROL
192/30R CLUTCHES
192/107R .Engaging surfaces
192/107M ..Material
- 2 192/107R (0 OR, 2 XR)
Class 192 : CLUTCHES AND POWER-STOP CONTROL
192/30R CLUTCHES
192/107R .Engaging surfaces

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- 2 192/109B (0 OR, 2 XR)
 Class 192 : CLUTCHES AND POWER-STOP CONTROL
 192/30R CLUTCHES
 192/109R .Thrust members, retarders, and stops
 192/109B ..Resilient backing plates
- 2 192/18A (2 OR, 0 XR)
 Class 192 : CLUTCHES AND POWER-STOP CONTROL
 192/12R CLUTCH AND BRAKE
 192/18R .Sliding operation
 192/18A ..Fluid operator
- 2 192/48.3 (1 OR, 1 XR)
 Class 192 : CLUTCHES AND POWER-STOP CONTROL
 192/30R CLUTCHES
 192/48.1 .Plural clutch-assembly
 192/48.3 ..Diverse clutch-assemblies
- 2 192/48.4 (0 OR, 2 XR)
 Class 192 : CLUTCHES AND POWER-STOP CONTROL
 192/30R CLUTCHES
 192/48.1 .Plural clutch-assembly
 192/48.3 ..Diverse clutch-assemblies
 192/48.4 ...Including three or more assemblies
- 2 192/85A (0 OR, 2 XR)
 Class 192 : CLUTCHES AND POWER-STOP CONTROL
 192/30R CLUTCHES
 192/82R .Operators
 192/85R ..Fluid pressure
 192/85A ...Axially engaging-rotating motor and clutch
- 2 192/85AA (0 OR, 2 XR)
 Class 192 : CLUTCHES AND POWER-STOP CONTROL
 192/30R CLUTCHES
 192/82R .Operators
 192/85R ..Fluid pressure
 192/85AA ...Axially engaging clamping rotating motor and clutch
- 2 264/258 (0 OR, 2 XR)
 Class 264 : PLASTIC AND NONMETALLIC ARTICLE SHAPING OR
 TREATING: PROCESSES
 264/239 MECHANICAL SHAPING OR MOLDING TO FORM OR REFORM
 SHAPED ARTICLE
 264/241 .To produce composite, plural part or
 multilayered article
 264/257 ..One component is a fibrous or textile sheet,
 web, or batt
 264/258 ...Joining a plurality of superposed fibrous or
 textile layers
- 2 301/6.91 (0 OR, 2 XR)
 Class 301 : LAND VEHICLES: WHEELS AND AXLES
 301/5.1 WHEEL
 301/6.1 .With drive or brake attachment
 301/6.91 ..Having vibration damper or heat insulator

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- 2 318/430 (1 OR, 1 XR)
 Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
 318/430 MOTOR LOAD, ARMATURE CURRENT OR FORCE CONTROL
 DURING STARTING AND/OR STOPPING
- 2 318/71 (0 OR, 2 XR)
 Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
 318/34 PLURAL, DIVERSE OR DIVERSELY CONTROLLED
 ELECTRIC MOTORS
 318/66 .Running-speed control
 318/68 ..Relative motor speed control
 318/69 ...With speed-difference detector
 318/70Electrical-type detectors
 318/71Voltage and/or current difference detector
- 2 340/454 (1 OR, 1 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/425.5 LAND VEHICLE ALARMS OR INDICATORS
 340/438 .Internal alarm or indicator responsive to a
 condition of the vehicle
 340/453 ..Brake or clutch condition
 340/454 ...Wear
- 2 523/152 (1 OR, 1 XR)
 Class 523 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 523/1 .PROCESSES OF PREPARING A DESIRED OR
 INTENTIONAL COMPOSITION OF AT LEAST ONE NONREACTANT
 MATERIAL AND AT LEAST ONE SOLID POLYMER OR SPECIFIED
 INTERMEDIATE CONDENSATION PRODUCT, OR PRODUCT THEREOF
 523/149 ..Friction element composition or process of
 preparing
 523/152 ...For wheeled vehicle
- 2 523/158 (0 OR, 2 XR)
 Class 523 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
 OF THE CLASS 520 SERIES
 523/1 .PROCESSES OF PREPARING A DESIRED OR
 INTENTIONAL COMPOSITION OF AT LEAST ONE NONREACTANT
 MATERIAL AND AT LEAST ONE SOLID POLYMER OR SPECIFIED
 INTERMEDIATE CONDENSATION PRODUCT, OR PRODUCT THEREOF
 523/149 ..Friction element composition or process of
 preparing
 523/152 ...For wheeled vehicle
 523/157Containing at least two organic materials,
 e.g., binder plus other organic material, etc.
 523/158Composition contains a phenolic, amine, or
 ketone condensate with aldehyde plus a polymer derived fr
 ethylenic monomers only

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